

## Features

- Very compact units
- New Design
- Leaving and Return Water Temperature control
- Hydro Pack Standard
- Buffer Tank supresion function
- Dynamic Set Point Function
- Fan Speed Control as standard
- Condenser protection grill as standard
- Very safety units: including filter and sight glass
- Anti-corrosion coated condenser fins as standard

## Options / Accessories

- Unit available without Hydro Pack
- Anticorrosion condenser fins
- BMS Communication
- Remote control
- Remote Terminal **(new)**
- High Pressure Fans **(new)**
- Auxiliar Electric heater **(new)**
- External Buffer tank **(new)**
- Water filter (for units without Hydro Pack)
- Flow switch (for units without Hydro Pack)
- Copper condenser fins

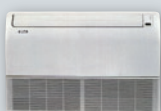
# Air cooled chiller Air to water heat pump

YLCA-YLHA 5 to 40

A complete range from 5 kW up to 156 kW



**ecofrio<sup>®</sup> v2**  
The power in cooling



# YLCA-YLHA 5 to 40

5 to 41 kW

**ecofrio<sup>v2</sup>**  
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**Preliminary data**

## Technical features

**M** Single phase   **T** Three phases supply   **C** Hydro Pack

			YLCA / YLHA G1									
			5 M-MC	7 M-MC	7 T-TC	9 M-MC	9 T-TC	12 T-TC	15 T-TC	20 T-TC	27 T-TC	40 T-TC
Performance	Cooling capacity cooling only units (1)	kW	5.4	7.1	7.1	8.6	8.6	12.0	14.5	19.5	25.6	38.5
	Total Input Power (1)	kW	1.8	2.4	2.4	3.2	3.2	3.9	5.4	6.6	8.7	12.8
	Cooling capacity heat pump units (1)	kW	5.2	6.9	6.9	8.6	8.6	11.6	14.2	19.2	25.6	38.0
	Heating capacity heat pump units (1)	kW	5.8	7.9	7.9	9.8	9.8	12.6	15.3	20.4	26.3	40.5
	Total Input Power cooling/heating mode (1)	kW	1.9 / 2.0	2.6 / 2.8	2.6 / 2.8	3.3 / 3.1	3.3 / 3.1	3.8 / 3.7	5.2 / 4.7	6.6 / 6.2	8.7 / 8.2	12.6 / 12.0
	Capacity steps	%	0 / 100									
	Sound power level	dB(A)	70	70	70	71	71	73	73	74	78	81
	Sound pressure level at 10 m	dB(A)	40	40	40	41	41	43	43	44	48	51
Compressor	Type	Scroll										
	Quantity	1										
Air side heat exchanger	Fans quantity	1						2				
	Working Ambient temp. cooling / heating mode	(4) (-18°C) -10°C ~ 46°C / -10°C ~ 20°C							-18°C ~ 46°C / -10°C ~ 20°C			
Water side heat exchanger	Type	Heat Plate Exchanger										
	Unit water volume (2)	Litres	1	1.1	1.1	1.2	1.2	1.5	2	2.8	3.2	4
	Pump Type	Circulator (3 speeds)						Multi stage				
	Available pressure (1) (2)	kPa	51	80	80	75	75	115	152	134	191	190
	Pressure drop (1) (3)	kPa	52	33	33	31.5	31.5	22.5	23	46	40	53
	Working range water leaving temp. cooling/heating (5)	-5°C to 15°C / 30°C to 50°C										
	Water connections	inch	1"							1 1/4"		1 1/2"
Dimensions & Weight	Height / Width / Depth	mm	762/905/460	965 / 905 / 460				1 270 / 905 / 460		1270/1430/502	1270/1876/502	1573/1500/822
	Weight without pack / pack cooling only	kg	77 / 83	98 / 105		103 / 110		136 / 150	145 / 160	205 / 220	275 / 290	340 / 400
	Weight without pack / pack heat pumps	kg	79 / 85	100 / 107		105 / 112		140 / 154	149 / 164	220 / 235	315 / 330	380 / 440
Electrical features	Voltage / Phases / Frequency	V/ph/hz	230-1-50	230-1-50	400-3-50	230-1-50	400-3-50					
	Running current (max) (2)	A	12.6	17.1	7.6	23	8.3	12.7	15.8	18.1	23	34

YLCA: Cooling only units models. YLHA: Air to water heat pump models.

(1) net values at Eurovent nominal conditions (2) version C with hydro kit (3) version without hydro kit (4) -18°C with LAK option (5) below 6°C with glycol

Nominal conditions: Cooling capacities in kW given for 7°C water leaving temperature  $\Delta t$  5°C and 35°C ambient temperature

Heating capacities in kW given for 45°C water leaving temperature and 7°C ambient temperature

## Compatibility table / Codes

Model	5 MC	7 MC	7 TC	9 MC	9 TC	12 TC	15 TC	20 TC	27 TC	40 TC
YLCA Cooling only units (Pack included)	668550582	668550782	668550784	668550982	668550984	668551282	668551582	668552082	668552782	668554082
YLHA Heat pump units (Pack included)	668650582	668650782	668650784	668650982	668650984	668651282	668651584	668652082	668652782	668654082

### Options (Factory fitted)

Model	5 M	7 M	7 T	9 M	9 T	12 T	15 T	20 T	27 T	40 T
YLCA Cooling only units (without Pack)	668550580	668550780	668550783	668550980	668550983	668551280	668551580	668552080	668552780	668554080
YLHA Heat pump units (without Pack)	668650580	668650780	668650783	668650980	668650983	668651280	668651583	668652080	668652780	668654080
High pressure fans	611991082					611991083		611991084	611991085	611991086
Copper/copper condenser c/o	611080780	611080781				611080782	611080783	611080784	611080786	611080787
Copper/copper condenser h/p								611080785		
LAK -18°C	613112083							STANDARD		

### Accessories (Supplied loose)

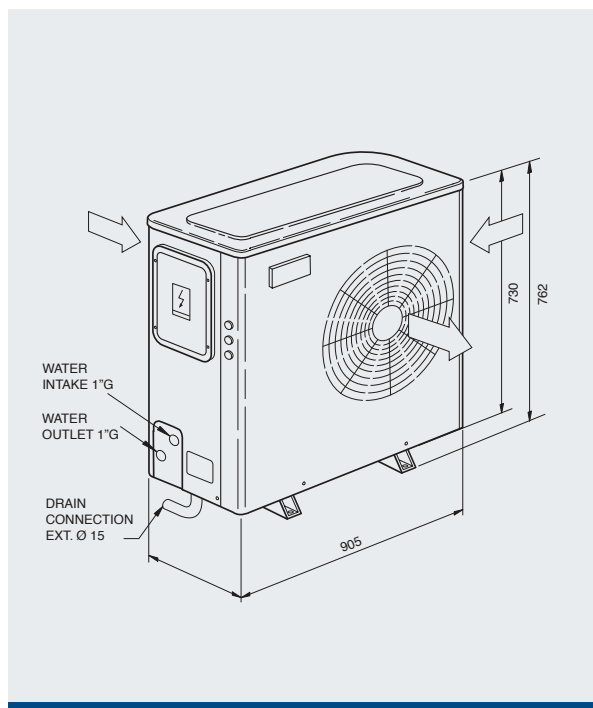
Water tank		613990200 (20 litres)		613990200 or 613990300		613990300 (30 litres)		613991411 (140 litres)		(1)		
Water tank + heater	20 L + 2 kW (1~)	613990205			-							
	20 L + 3 kW (1~)	613990206				-						
	20 L + 2 kW (3~)	-	613990207			-						
	30 L + 4.5 kW (1~)	-			613990305			-				
	30 L + 6 kW (3~)	-			613990306			-				
	140 L + 4.5 kW (3~)	-			-			613990306 (TBC)			-	
Water filter *		611300100				611300120				611300150		
Water flow switch *						611992021						
Remote control						613802011						
Remote terminal						613802231						
Anti vibration mounting		613029001				613029002						
BMS Communication						613802041						

\*included with unit version "C" only for unit without pack.

(1) 668554084 for YLCA 40 G1 TP / 668654084 for YLHA 40 G1 TP

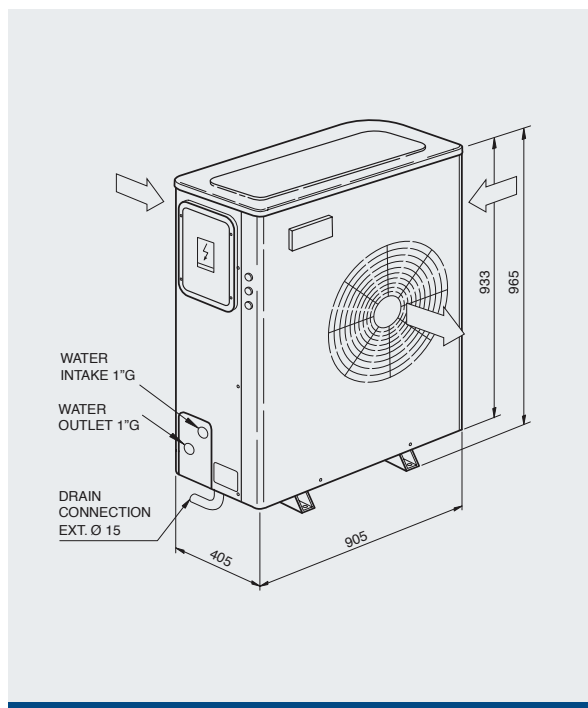
# Dimensions, hydraulic connections and space requirements

YLCA-YLHA 5 M-MC



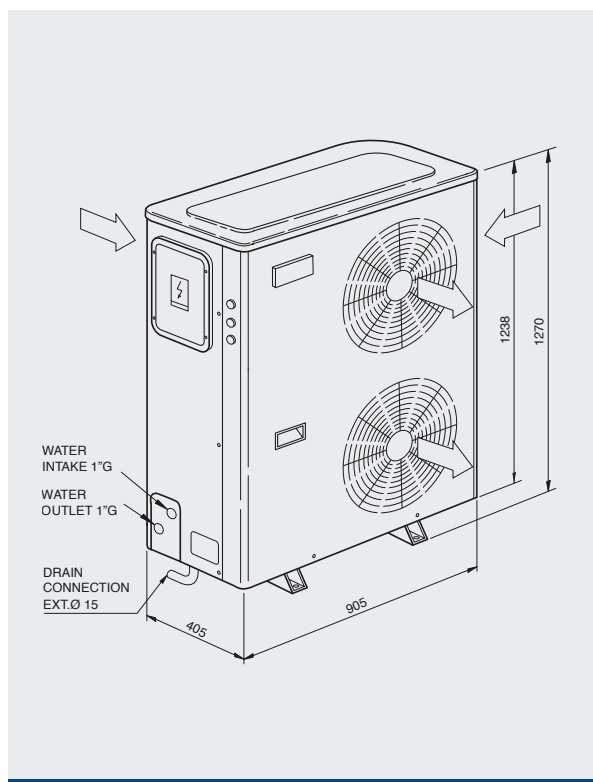
All dimensions in mm. Drawings not a scale.

YLCA-YLHA 7/9 M-MC/T-TC



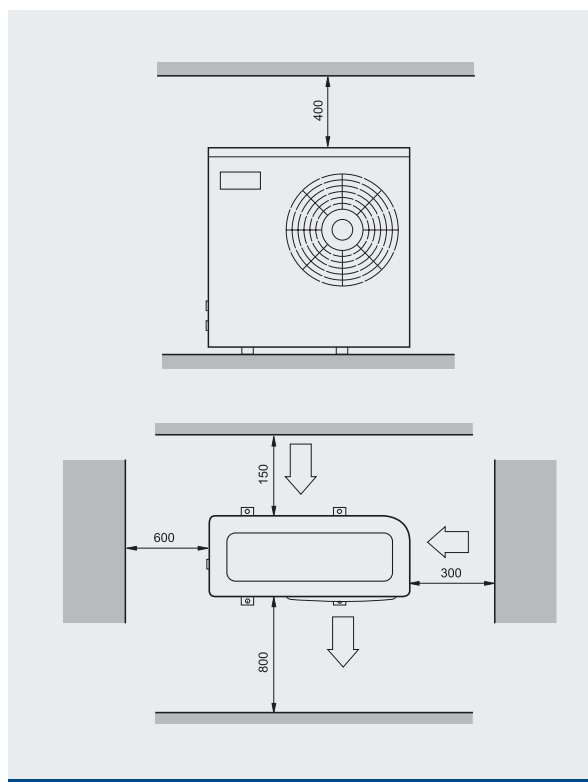
All dimensions in mm. Drawings not a scale.

YLCA-YLHA 12/15 T-TC



All dimensions in mm. Drawings not a scale.

Model YLCA-YLHA 5/7/9/12/15



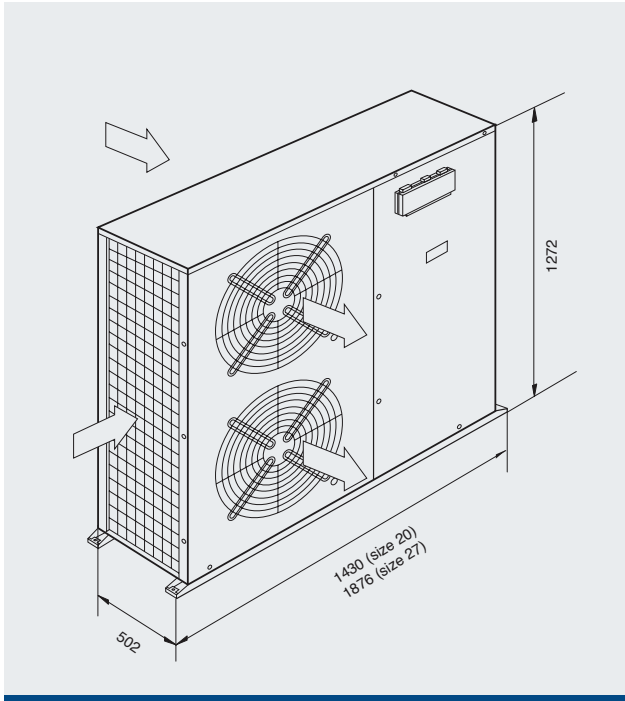
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# YLCA-YLHA 5 to 40

**ecofrio<sup>v2</sup>**  
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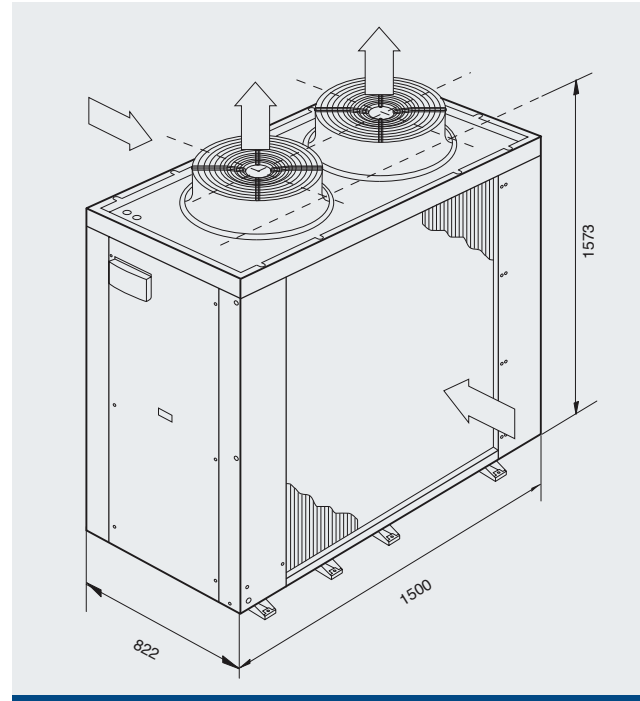


YLCA-YLHA 20/27 T-TC



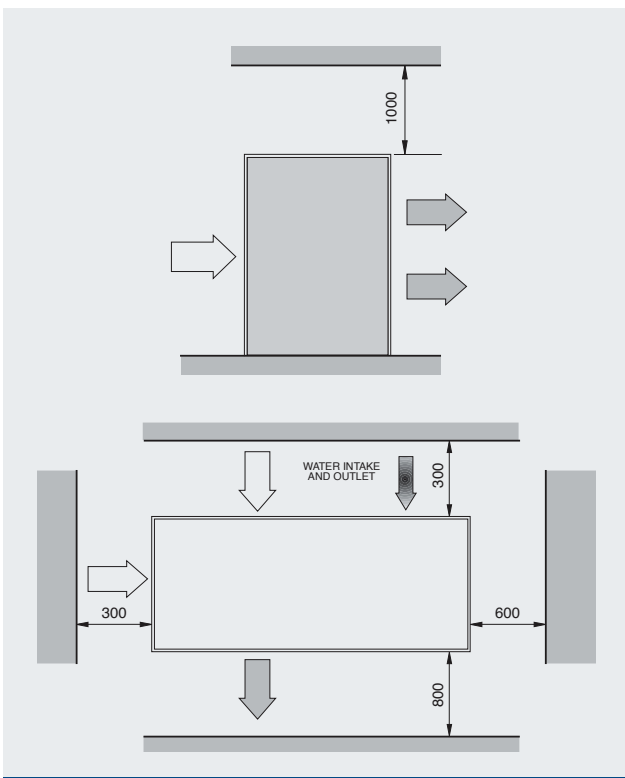
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YLCA-YLHA 40 T-TC-TP



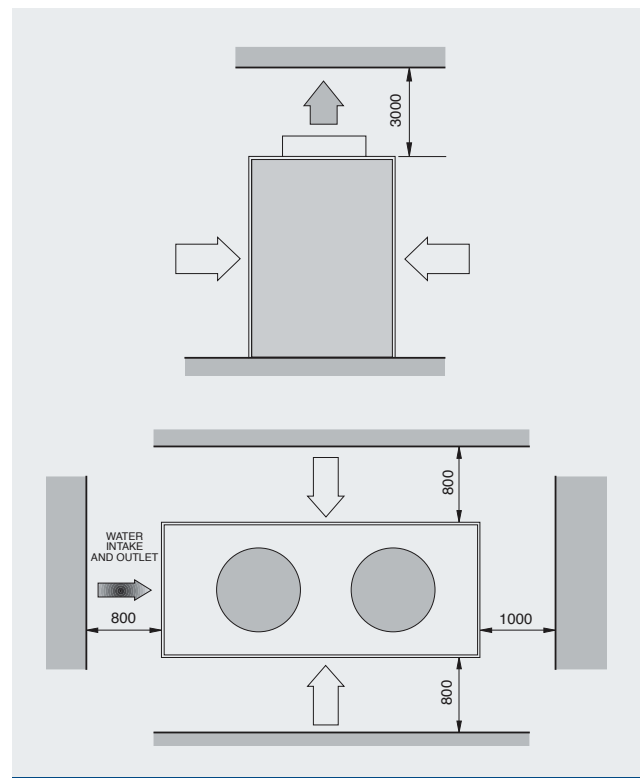
All dimensions in mm. Drawings not a scale.

Model YLCA-YLHA 20/27



All dimensions in mm. Drawings not a scale.

Model YLCA-YLHA 40



All dimensions in mm. Drawings not a scale.